

XP-002082458

1/1 - (C) WPI / DERWENT
AN - 91-135563 ç19!
AP - JP890209297 890810
PR - JP890209297 890810
TI - Zinc alkaline secondary cell - contg. polyoxyethylene
fatty acid amide as corrosion inhibitor for
zinc-amalgam cathode
IW - ZINC ALKALINE SECONDARY CELL CONTAIN POLYOXYETHYLENE
FATTY ACID AMIDE CORROSION INHIBIT ZINC AMALGAM CATHODE
PA - (SAOL) SANYO ELECTRIC CO
- (SANY-N) SANYO EXEL KK
- (SANY-N) SANYO KK
PN - JP3071559 A 910327 DW9119 000pp
ORD - 1991-03-27
IC - H01M4/62
FS - CPI;EPI
DC - A25 E17 L03 X16
AB - J03071559 Zinc alkaline secondary cell comprises
cathode active substance of Zn, and electrolyte of
alkaline aq. soln. As corrosion preventive agent for
the cathode active substance, polyoxyethylene fatty
acid amide of the formula (I) is used. In (I) R = alkyl
or unsatd. fatty acid; n = polymerisation deg. of
oxyethylene.
- ADVANTAGE - Amt. of Hg for amalgamation of the Zn
cathode of the zinc alkaline cell can be reduced.
Corrosion resistance of the Zn cathode is improved.
- In an example, the Zn cathode was prepd. as follows:
Amalgamated Zn alloy powder of 20-200 mesh, contg.
0.02% of In, 0.05% of Pb and 0.05% of Al, was
gelatinised with polyacrylic acid in 40 wt% KOH aq.
soln. 0.5 wt% to the Zn wt. of polyoxy-ethylene fatty
acid amide was added to the Zn cathode, as the
corrosion preventive agent. (6pp Dwg.No.1/2)